Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

	I	D-4: **	Α.	Innua Na			
LM Start		Rating **	Α	Issue No.		9	
LM End		Issue Type +	Ma	Location *			
Category Earthen Levee				GPS La	atitud	le/Longitude	
Category				Start		End	
Operations & Maintenance					0		0
пеш	Manuals				0		0
DWR ID DWR_NA0020_01_s _ 2013_9							
		Comn	nent Coo	le			
		Inspecto	or Comm	ent			
The LMA h	The LMA has the O&M manuals.						

No Photos

Rating ** Issue No. Α LM Start 10 Issue Type + Ма Location * LM End Earthen Levee GPS Latitude/Longitude Category Start End Emergency Supplies & Item Equipment DWR_NA0020_01_s _ 2013_10 DWR ID Comment Code

No Photos

Inspector Comment
The LMA has adequate flood fight supplies and equipment.

LM Start		Rating **	Α	Issue No.		11	
LM End		Issue Type +	Ма	Location *			
Category Earthen Levee				GPS La	atituc	de/Longitude	
Category				Start		End	
ltom	Item Flood Preparedness & Training				0		0
item					0		0
DWR ID	DWR ID DWR_NA0020_01_s _ 2013_11						
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
The LMA o	The LMA completed flood fight training in 2018.						

No Photos

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable M: Minimally Acceptable U: Unacceptable

able N : Not Ins Ily Acceptable C : Correc

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	0.42	Rating **	М	Issue No.	7		
LM End	0.42	Issue Type +	Ma	Location *	WS		
Category	evee	GPS La	atitud	le/Longitude			
Category	Category			Start		End	
ltom	Trim / Thin Trees			39.1714	07°	39.171407°	
пеш				-121.7521	78°	-121.752178°	
DWR ID	DWR_ST0	020_01_f _ 2019	9_7				
		Comn	nent Cod	de			
T1 : Trim t	rees to at l	east five feet	above g	round level.			
	_						
		Inspecto	or Comm	nent			

No Photos

LM Start	0.51	Rating **	U	Issue No.		25
LM End	0.67	Issue Type +	Ма	Location *		LS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Trim / Thin Trees			39.1713	92 °	39.171345°
пеш				-121.7504	78°	-121.747585°
DWR ID	DWR_ST0	020_01_f _ 2016	6_25			

Comment Code

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

Olleanders are significantly blocking visibility and access.



View of the olleanders that are significantly blocking vehicle access. Fall 2019.

LM Start	0.67	Rating **	М	Issue No.		8		
LM End	0.83	Issue Type +	Ma	Location *	LS			
Category	evee	GPS Latitude/Longitude						
Calegory				Start		End		
Item	Trim / Thin Trees			39.1713	62 °	39.171324°		
пеш	item				78 °	-121.744518°		
DWR ID DWR_ST0020_01_f _ 2019_8								
	Comment Code							

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

No Photos

* Location		** Rating		+ Issue Type
LS: Land Side N/A	A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescen
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

	4.40	Dating **	N 4	Issue No.		45
LM Start	1.10	Rating **	М	issue ivo.		15
LM End	1.10	Issue Type +	Ma	Location *		LS
Category Earthen Levee				GPS La	atitud	e/Longitude
Category				Start		End
Item	Trim / Thi	n Trees		39.1712	90°	39.171290°
пеш				-121.7396	39°	-121.739639°
DWR ID DWR_ST0020_01_s _ 2019_15						
		Comn	nent Cod	de		
T1 : Trim t	rees to at I	east five feet	above g	round level.		
		Inspecto	or Comm	nent		



View of the trees on the landside slope. Spring 2019.

LM Start	1.33	Rating **	М	Issue No.		22		
LM End	1.33	Issue Type +	Ma	Location *	WS			
Category	evee	GPS Latitude/Longitude						
Calegory		Start E		End				
Erosion / Bank Caving				39.1712	18°	39.171218°		
пеш	Item				58°	-121.735258°		
DWR ID DWR_ST0020_01_f _ 2016_22								
Comment Code								

E1: Note and monitor erosion site.

Inspector Comment



View of the erosion along the bank.

Photo 1 of 1: FA_2019_ST0020_213_24_20190822_00010.jpg

LM Start	1.36	Rating **	М	Issue No.		24	
LM End	1.36	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Erosion / Bank Caving			39.1712	20°	39.171220°	
item				-121.7347	30°	-121.734730 °	
DWR ID	DWR ID DWR_ST0020_01_f _ 2016_24						
Comment Code							
E1 : Note a	E1 : Note and monitor erosion site.						

Inspector Comment



View of the erosion along the bank.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

M : Minimally Acceptable C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.39	Rating **	М	Issue No.		13				
LM End	1.39	Issue Type +	Ma	Location *		WS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude				
Calegory				Start		End				
Item	Erosion /	Bank Caving		39.1712	20°	39.171220°				
пеш				-121.7341	47°	-121.734147°				
DWR ID	DWR_ST0	020_01_f _ 2019	9_13			·				
		Comn	nent Cod	de						
E1 : Note a	and monito	or erosion site								
		Inspecto	or Comm	nent						

No Photos

* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.01	Rating **	М	Issue No.		33		
LM End	0.26	Issue Type +	Ма	Location *	WS			
Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Vegetatio	า		39.1711	64 °	39.171025°		
item				-121.7261	90°	-121.721526°		
DWR ID DWR_ST0020_02_f _ 2019_33								
		Comn	nent Cod	de				
V1 : Contre		rass and wee	eds on th	e levee slop	oes a	and		
		Inspecto	or Comm	nent				



View of the vegetation along the waterside slope. Fall 2019.

LM Start	0.01	Rating **	М	Issue No.	34				
LM End	0.26	Issue Type +	Ма	Location *	LS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Vegetatio	n		39.1711	59°	39.171024°			
item				-121.7261	73°	-121.721526°			
DWR ID	DWR ID DWR_ST0020_02_f _ 2019_34								

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : FA_2019_\$10020_2	214_34_20190920_00082.jpg	



View of the vegetation along the landside slope. Fall 2019.

LM Start	0.30	Rating **	М	Issue No.		31
LM End	0.30	Issue Type +	Ма	Location *	WS	
Category	Earthen L	GPS La	titud	e/Longitude		
Category				Start		End
Item	Trim / Thi	n Trees		39.1710	61°	39.171061 °
пеш			-121.7208	53°	-121.720853 °	
DWR ID	DWR_ST0	020_02_f _ 2016			·	

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment



View of the overgrown trees blocking visibility and access.

Location

N/A: Not Applicable

LS: Land Side WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.43	Rating **	М	Issue No.		35		
LM End	0.45	Issue Type +	Ма	Location *	WS			
Category Earthen Levee			GPS Latitude/Longitude					
Category	Category			Start		End		
Item	Vegetatio	n		39.17107	71 °	39.171065°		
пеш				-121.71833	31 °	-121.717959°		
DWR ID	DWR_ST0	020_02_f _ 2019	9_35					
	Comment Code							
V2 : Remo	V2 : Remove the wild growth other than native grasses from the levee							

slopes.

Inspector Comment

No Photos

No Photos

LM Start	0.55	Rating **	М	Issue No.		36				
LM End	0.55	Issue Type +	Ma	Location *		WS				
Category	Earthen Levee						GPS La	atitud	e/Longitude	
Category				Start		End				
Item	Trim / Thi	n Trees		39.1710	31 °	39.171031	0			
item				-121.7162	06 °	-121.716206	0			
DWR ID	DWR_ST0	VR_ST0020_02_f _ 2019_36								

Comment Code

T1: Trim trees to at least five feet above ground level.

Rating **

Inspector Comment

LM End	1.31	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Category			Start		End	
Item	Vegetatio	n		39.1709	16°	39.170826°
пеш				-121.7076	32 °	-121.701979°

DWR ID DWR_ST0020_02_f _ 2019_37

1.01

LM Start

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1: FA_2019_ST0020_214_37_20190920_00083.jpg



View of the vegetation along the waterside slope. Fall 2019.

* Location

LS : Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

Issue No.

37

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

1.32	Rating **	М	Issue No.		20	
1.35	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude			
					End	
Trim / Thin Trees			39.170816°		39.170812°	
Item		-121.7018	71 °	-121.701269°		
DWR_ST0020_02_s _ 2019_20						
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
	1.35 Earthen L Trim / Thin	1.35 Issue Type + Earthen Levee Trim / Thin Trees DWR_ST0020_02_s _ 201 Comn	1.35 Issue Type + Ma Earthen Levee Trim / Thin Trees DWR_ST0020_02_s _ 2019_20 Comment Coc	1.35 Issue Type + Ma Location * Earthen Levee GPS La Start Trim / Thin Trees 39.1708* -121.7018* DWR_ST0020_02_s _ 2019_20 Comment Code	1.35 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Trim / Thin Trees 39.170816 ° -121.701871 ° DWR_ST0020_02_s _ 2019_20 Comment Code	

Inspector Comment

No Photos

LM Start	1.33	Rating **	U	Issue No.		39	
LM End	1.33	Issue Type +	Ма	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Erosion / Bank Caving			39.1708	17°	39.170817°		
Item				-121.7017	04°	-121.701704°	
DWR ID	DWR_ST0020_02_f _ 2019_39						

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Photo 1 of 1: FA_2019_ST0020_214_39_20190920_00084.jpg



View of sloughing on the waterside slope. Fall 2019.

LM Start	1.54	Rating **	U	Issue No.		40	
LM End	1.54	Issue Type +	Ма	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Erosion / Bank Caving			39.17083	34°	39.170834°	
пеш				-121.69783	31 °	-121.697831 °	
DWR ID	DWR_ST0020_02_f _ 2019_40						

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Erosion is advancing further into the access road and needs to be addressed.

Photo 1 of 1: FA_2019_ST0020_214_40_20190920_00085.jpg



View of erosion on the waterside slope/bank. Fall 2019.

Location

LS: Land Side N/A: Not Applicable

WS: Water Side

: Acceptable : Minimally Acceptable

U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.55	Rating **	М	Issue No.		3	
LM End	2.01	Issue Type +	Ма	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Erosion / Bank Caving		39.17083	32°	39.170732°			
пеш				-121.69768	30°	-121.689082°	
DWR ID	DWR_ST0	020_02_f _ 2019	9_3			·	

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Erosion through this stretch needs to be addressed to prevent further erosion of the access road.

Photo 1 of 1: FA_2019_ST0020_214_3_20190920_00086.jpg



View of typical erosion along the waterside slope.

LM Start	1.68	Rating **	С	Issue No.		18	
LM End	1.68	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item Encroachmei		ments	ents		10°	39.170810°	
item				-121.6953	42°	-121.695342°	
DWR ID	DWR_ST0020_02_f _ 2018_18						

Comment Code

DE: Debris

Inspector Comment

Remove the debris from the waterside berm.

No Photos

	LM Start	2.72	Rating **	U	Issue No.		38	
	LM End	2.72	Issue Type +	Ma	Location *		WS	
	Category	Earthen L	GPS Latitude/Longitude					
					Start		End	
	Item	Animal Co	ontrol		39.1706	24°	39.170624	
item				-121.6759	92°	-121.675992	٥	
	DWR ID	DWR STO	120 02 s 201	9 38				

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Significant rodent activity is present. The surface runoff is further eroding the waterside shoulder/slope.

Photo 1 of 1: FA_2019_ST0020_214_38_20190822_00010.jpg



View of significant rodent activity on the waterside slope. Spring 2019.

* Location

N/A: Not Applicable LS: Land Side

WS: Water Side

: Acceptable : Minimally Acceptable

N : Not Inspected/Rated C : Corrected

U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement